Ontario

Ministry of
Northern Development
and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

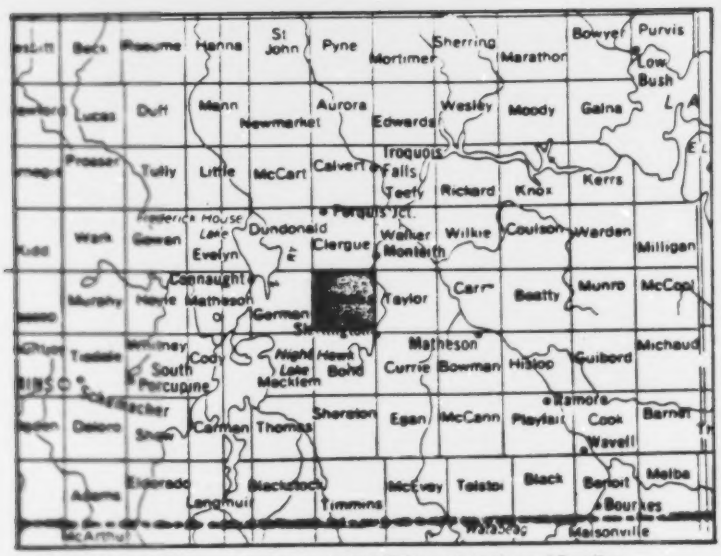
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 403

STOCK TOWNSHIP

DISTRICT OF COCHRANE

Compiled by the Staff of
the Resident Geologist's Office
Kirkland Lake



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

88-02300/

NTS Number 42A/10

Mining Claim Map Number

This project is part of Operation Black River-Matheson (BRIM) and was funded equally by the Ontario Ministry of Northern Development and Mines and the Ontario Ministry of Natural Resources.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1988: Stock Township, District of Cochrane; Ontario Geological Survey, Geological Data Inventory Folio 403,compiled by the staff of the Resident Geologist's Office, Kirkland Lake,52 p, and 2 maps.

Original Compilation by:

Mike Woods, Uttam Kalicharran and P. Savarie
July 8, 1987

Date	Page Revised	Revised by

Date	Page Revised	Revised by

STOCK TOWNSHIP

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	**2.589 988**	km^2
1 ha	2.471 054	acres	1 acre	**0.404 685 6**	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	**0.028 316 85**	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	**0.764 555**	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	**0.568 261**	L
1 L	0.879 877	quarts	1 quart	**1.136 522**	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	**28.349 523**	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	**34.285 714 2**	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	**1.714 285 7**	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE—Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

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ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	M.W.
2	Assessment Files Research Office, Toronto	NO	M.W.
3	ODM General Index; 9 volumes	YES	D.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	-	-
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	M.W.
6	ODM Industrial Mineral Reports	NO	M.W.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	M.W.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	M.W.
9	Newspaper Clippings File	NO	M.W.
10	GSC Index to Publications	YES	M.W.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	M.W.
12	OGS Index Maps	YES	M.W.
13	Source Mineral Deposit Records (O.G.S.)	YES	M.W.
14	Author - Subject Articles File	YES	M.W.
15	Miscellaneous Papers: ODM & OGS	YES	M.W.
16	ODM Geological Circulars OGS Study Series	NO	M.W.
17	ODM Preliminary Reports ODM Bulletins	YES	M.W.
18	ODM – OGS Open File Reports	YES	M.W.
19	OGS Northern Ontario Engineering Geology Terrain Studies	NO	M.W.
20	OGS Aggregate Resources Inventory Papers	NO	M.W.
21	OGS Mineral Potential Maps	YES	M.W.

METALS AND MINERALS REFERENCES LIST

Δ anh. . . . . .Anhydrite	Δ fu. . . . . .Fuchsite	Δ Ni. . . . . Nickel	Δ st . . . . . .Stone
Δ ank. . . . . .Ankerite	Δ gn. . . . . Galena	Δ Nb . . . . . .Niobium	Δ talc. . . . . .Talc
Δ anna . . . . . Annabergite	Δ gt . . . . . Garnet	Δ Pd . . . . . Palladium	Δ Te . . . . . Tellurium
Δ ap. . . . . .Apatite	Δ goe . . . . . .Goethite	Δ peat . . . . . .Peat	Δ td. . . . . Tetrahedrite
Δ arg . . . . . Argentite	▲ Au . . . . . Gold	Δ pent . . . . . .Pentlandite	Δ th. . . . . .Thorite
Δ As . . . . . .Arsenic	Δ gf . . . . . .Graphite	Δ Pt. . . . . .Platinum	Δ Th . . . . . .Thorium
Δ asp . . . . . .Arsenopyrite	Δ gl . . . . . Gravel	Δ py . . . . . .Pyrite	Δ thuc . . . . . Thucholite
Δ asb . . . . . .Asbestos	Δ gyp. . . . . .Gypsum	Δ pyl . . . . . Pyrochlore	Δ ti . . . . . Titanite
Δ ba. . . . . .Barite	Δ hem . . . . . Hematite	Δ pyrl . . . . . .Pyrolusite	Δ Ti. . . . . Titanium
Δ be. . . . . .Beryl	Δ il . . . . . .Ilmenite	Δ po . . . . . .Pyrrhotite	Δ tour . . . . . .Tourmaline
Δ Bi. . . . . .Bismuth	Δ Fe . . . . . .Iron	Δ q . . . . . .Quartz	Δ trap . . . . . .Trap rock
Δ bn . . . . . .Bornite	Δ IF. . . . . Iron Formation	Δ qcv . . . . .Quartz carbonate vein	Δ W. . . . . Tungsten
Δ bran . . . . . .Brannerite	Δ jas . . . . . Jasper	Δ ra . . . . . .Radioactive minerals	Δ uran . . . . . Uraninite
Δ bruc . . . . . .Brucite	Δ kaol . . . . . .Kaolinite (kaolin)	Δ RE . . . . . .Rare Earths	Δ U . . . . . .Uranium
Δ Cd . . . . . .Cadmium	Δ ky . . . . . Kyanite	Δ sd. . . . . Sand	Δ verm . . . . . .Vermiculite
Δ calc. . . . . .Calcite	Δ Pb . . . . . Lead	Δ sgl . . . . . Sand and gravel	Δ Y . . . . . Yttrium
Δ carb . . . . . .Carbonate	Δ lim . . . . . Limonite	Δ ss . . . . . .Sandstone	Δ Zn . . . . . .Zinc
Δ cel . . . . . .Celestite	Δ Li. . . . . Lithium	Δ scap . . . . . Scapolite	Δ zr. . . . . Zircon
Δ cc. . . . . .Chalcocite	Δ mgst . . . . . .Magnesite	Δ shee . . . . . .Scheelite	
Δ cp. . . . . .Chalcopyrite	Δ mag . . . . . .Magnetite	Δ serp . . . . . Serpentine	
Δ ch. . . . . .Chert	Δ mc . . . . . Malachite	Δ sh. . . . . .Shale	
Δ clay . . . . . .Clay	Δ Mn . . . . . Manganese	Δ sid . . . . . Siderite	
Δ Co . . . . . Cobalt	Δ mb . . . . . .Marble	Δ si . . . . . .Silica	
Δ cob. . . . . Cobaltite	Δ mar. . . . . Marcasite	Δ Ag . . . . . .Silver	
Δ cb. . . . . .Columbite	Δ ma . . . . . .Marl	Δ sl . . . . . Slate	
Δ Cu . . . . . .Copper	Δ mi . . . . . Mica	Δ sm . . . . . .Smaltite	
Δ cor . . . . . Corundum	Δ ml . . . . . .Millerite	Δ sod . . . . . Sodalite	
Δ dol . . . . . Dolomite	Δ mo . . . . . Molybdenite	Δ spec . . . . . Specularite	
Δ ep. . . . . Epidote	Δ Mo . . . . . .Molybdenum	Δ sp. . . . . .Sphalerite	
Δ ery . . . . . Erythrite	Δ mon . . . . . Monazite	Δ spd. . . . . .Spodumene	
Δ fel . . . . . .Feldspar	Δ ne. . . . . Nephelite (nepheline)	Δ staur . . . . . .Staurolite	
Δ fl . . . . . .Fluorite (fluorspar)	Δ nc. . . . . .Niccolite	Δ stib. . . . . Stibnite	

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

STOCK TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Bird, S.J.	Au	-	Resident Geologist Assessment Files Timmins	DDH #4 (9) 0.18oz/T Au over 5 ft.
B_1	Clavos Gold Mines Ltd.	Au	C0158	Resident Geologist Assessment Files Timmins	DDH #6 (20) 0.01oz/T Au over 4 ft.
B_1		Au		Survey of Mines,1947 p.169 ODM,Res.Geo. Timmins File T-29	DDH #8 (21) 0.07oz/T Au over 8 ft.
B_1		Au		OGS 1971,MRC 13,p.136 NMI File,42A/10 Au 16	DDH #11-1 (24) 0.22oz/T Au over 4.5 ft.
B_2		Au		N.Miner 84.12.13, Canamax, p.A1,2	DDH #12 (25) 2.73oz/T Au over 1 ft.
B_2		Au		" "	DDH #13 (26) 0.03oz/T Au over 13.5 ft.
B_2		Au		" "	DDH #14 (27) 0.09oz/T Au over 5.5 ft.
B_3		Au		" "	DDH #15 (28) 0.05oz/T Au over 5 ft.
B_2		Au		" "	DDH #16 (29) 0.31oz/T Au over 1 ft.
B_1		Au		" "	DDH #17 (30) 0.11oz/T Au over 2 ft.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
B_3	Clavos Gold Mines Ltd.	Au	C0158	Resident Geologist Assessment Files Timmins Survey of Mines, 1947 p.169 ODM, Res.Geo. Timmins File T-29 OGS 1971, MRC 13, p.136 NMI File, 42A/10 Au 16 N.Miner 84.12.13, Canamax, p.A1,2	DDH #18 (31) 1.32oz/T Au over 1.5 ft.
B_3		Au		" "	DDH #19 (32) 0.34oz/T Au over 2.5 ft.
B_4		Au		" "	DDH #20 (33) 0.02oz/T Au over 10 ft.
B_4		Au		" "	DDH #21 (34) 0.09oz/T Au over 10 ft.
B_4		Au		" "	DDH #22 (35) 0.88oz/T Au over 3 ft.
B_5		Au		" "	DDH #23 (36) 0.04oz/T Au over 10 ft.
B_5		Au		" "	DDH #24 (37) 0.32oz/T Au over 2 ft.
B_6		Au		" "	DDH #25 (38) 0.18oz/T Au over 10 ft.
B_6		Au		" "	DDH #26 (39) 0.06oz/T Au over 10 ft.

STOCK TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
B	Clavos Gold Mines Ltd.	Au	C0158	Resident Geologist Assessment Files Timmins Survey of Mines,1947 p.169 ODM,Res.Geo. Timmins File T-29 OGS 1971,MRC 13,p.136 NMI File,42A/10 Au 16 N.Miner 84.12.13, Canamax, p.A1,2	1945-56 - Magnetic survey, 34 holes 15,250 ft. by Clavos Porcupine Mines Ltd. Gold mineralization was present in carbonatized basalt and argillite adjacent to the Pipestone Fault. The mineralized zone was 500 ft. long with the best assays $18.70 (0.54oz) over 10.6 ft. and $85.75 (2.45oz) over 5.7 ft.
C_1	Hollinger Argus Ltd.	Au	-	Resident Geologist Assessment Files Timmins	DDH #S2B-1-80 (163) 0.015oz/T Au over 2 ft.
C_2		Au	-	" "	DDH #S1A-1-80 (166) 0.02oz/T Au over 40 ft.
C_2		Au	-	" "	DDH #S1A-2-80 (167) 0.01oz/T Au over 1 ft.
C_3		Au	-	" "	DDH #S1A-3-80 (168) 0.045oz/T Au over 15 ft.
C_3		Au	-	" "	DDH #S1A-4-80 (169) 0.014oz/T Au over 26 ft.

STOCK TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
D	Quebec Sturgeon River Mines	Au	C0157	Resident Geologist Assessment Files Timmins N.Miner 75.05.29 Gold,p.23 N.Miner 74.11.28, Quebec,p.1-5 NMI 42A/10 Au 14	1981-115 underground holes on level I with best assay in hole 2-105 being 0.407oz/T Au over 33 ft.
E_1	St. Andrew Goldfields Ltd.	Au	-	Resident Geologist Assessment Files Timmins	DDH #SAS-1 (176) 1.5oz/T Au over 5 ft.
E_1		Au	-	" "	DDH #SAS-2A (178) 2.56oz/T Au over 2.5 ft.
E_1		Au	-	" "	DDH #SAS-3 (179) 0.032oz/T Au over 5 ft.
E_1		Au	-	" "	DDH #SAS-4 (180) 0.034oz/T Au over 5 ft.
E_1		Au	-	" "	DDH #SAS-5 (181) 2.74oz/T Au over 2.3 ft.
E_1		Au	-	" "	DDH #SAS-6A (183) 0.114oz/T Au over 3 ft.
E_2		Au	-	" "	DDH #SAS-8 (185) 0.172oz/T Au over 5 ft.

GDIF FORM NO. 1

STOCK TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
E_2	St. Andrew Goldfields Ltd.	Au	–	Resident Geologist Assessment Files Timmins	DDH #SAS-15 (186) 0.149oz/T Au over 3 ft.
E_2		Au	–	" "	DDH #SAS-16 (187) 0.05oz/T Au over 5.5 ft.
E_2		Au	–	" "	DDH #SAS-18 (189) 0.038oz/T Au over 5 ft.
E_2		Au	–	" "	DDH #SAS-20 (191) 0.449oz/T Au over 3.5 ft.
E_3		Au	–	" "	DDH #SAS-21 (192) 0.032oz/T Au over 4 ft.
E_3		Au	–	" "	DDH #SAS-22 (193) 0.046oz/T Au over 5 ft.
E_3		Au	–	" "	DDH #SAS-24 (195) 0.181oz/T Au over 5 ft.
E_3		Au	–	" "	DDH #SAS-26 (196) 1.63oz/T Au over 3 ft.
E_3		Au	–	" "	DDH #SAS-27 (197) 0.09oz/T Au over 5 ft.
E_3		Au	–	" "	DDH #SAS-28 (198) 0.012oz/T Au over 5 ft.

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
E_3	St. Andrew Goldfields Ltd.	Au	–	Resident Geologist Assessment Files Timmins	DDH #SAS-29 (199) 0.768oz/T Au over 5 ft. 1984-101 undergound drill holes on level 2. Best assay being 7.35oz/T Au over 3 ft. Previously owned by Quebec Sturgeon River Mines. 1984-113 underground drill holes on level 3. Best assay being 31.57oz/T au over 1 foot. 1984-128 underground drill holes on level 4. Best assay being 2.54oz/T Au over 2 feet.
F_1	Surveymin Ltd. (T-2330)	Au	–	Resident Geologist Assessment Files Timmins	DDH #ST-81-3 (222) 0.04oz/T Au over 14 ft.
F_2		Au	–	" "	DDH #ST-81-2 (223) 0.01oz/T Au over 4 ft.
F_3		Au	–	" "	DDH #ST-81-1 (224) 0.01oz/T Au over 13 ft.

STOCK TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TIMMINS	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	PLUGGER		
1	Allerston, R.E. (T-2659)																	84		
2	Allerston, R./Camden Res. (T-3105)											86	86							
3	Asarco Exploration Co. of Canada Ltd. (T-1967)				79															
	Bird, S.J. (T-314)				49															
	Bird & Bourke (T-150)				xx							xx								
	Bruneau Mining Corp. (T-2864)								83	83										
	Canamax Resources (T-2840)	84			84				83	83										
	Clavos Gold Mines Ltd. (T-29)				46 47			48 54				46 45								
	Cominco Limited (T-2523)				83															
10	Cominco Limited (T-2742)				86 84 85 83							85 86	85 86							
11	Cominco Limited (T-2783)				83															

xx - Date unknown

GDIF FORM NO. 2

10 STOCK TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TIMMINS		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
12	Cominco Limited (T-2834)				84															
13	Clodan Gold Mines Ltd. (T-489)											46								
14	Dalhousie Oil Co. Ltd. (T-1971)				80															
15	Evoy, Norman (T-682)				61															
16	Hollinger Argus Ltd. (T-1960)				80 82															
17	Hollinger Mines Ltd. (T-1952)											79								
18	Montclerg Mines Ltd. (T-248)							39												
19	Mulliette-Bell Claims (T-1648)											74	74							
20	Newman, R. (T-780)				64															
21	Noranda Exploration Co. Ltd. (T-1630)											74	74							
22	Noranda Exploration Co. Ltd. (T-1651)											74								

xx - Date unknown

GDIF FORM NO. 2

STOCK TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TIMMINS		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
23	Papont Resources Inc. (T-2820)											83	83							
24	Quebec Sturgeon River Mines Ltd. (T-1509)				73															
25	Quebec Sturgeon River Mines Ltd. (T-1611)				74 81		80 81													
26	St. Andrew Goldfields Ltd. (T-3088)				84 85 83		84 83													
27	Stairs Exploration & Mining Co. Ltd. (T-824)											64	64							
28	West Stock Property (T-131)				39 60 61 62 63 64							44 45								
29	Surveymin Limited (T-2330)	82										79 80	79 80							
30	Surveymin Limited (T-2325)				81							79 80	79 80							

xx - Date unknown

GDIF FORM NO. 2

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STOCK TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Asarco Exploration Co. of Canada Ltd.	DW-11	6/79	-	-90°	107'	112'	py	-
2	" "	DW-12	6/79	-	-90°	114'	119'	py	-
3	" "	DW-13	6/79	-	-90°	123'	123'	abandoned	-
4	" "	DW-14	6/79	-	-90°	124'	129'	py	-
5	Bird, S.J.	7†	11/49	348°	-50°	202'	1000'	py,q,calc	-
6	" "	1	1949	-	-55°	165'	533'	qcv,q	-
7	" "	2	1949	-	-	160'	160'	abandoned	-
8	" "	3	1949	-	-	120'	120'	abandoned	-
9	" "	4	1949	-	-55°	50'	519'	py,asp	Au
10	Bird & Bourke	1	xx	-	-	-	702'	-	-
11	" "	2	xx	0°	-	-	704'	-	-
12	" "	3	xx	0°	-	-	905'	-	-
13	" "	4	xx	0°	-	-	833'	-	-
14	Canamax Resources	069-20-1	12/84	180°	-45°	245'	610'	py,qcv,q cp,mag	-
15	Clavos Gold Mines Ltd.	1†	1/46	180°	-54°	52'	470'	serp,carb	Au
16	" "	2†	2/46	180°	-55°	53'	437'	serp	Au

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Timmins Core Storage Library

xx - No data

++ - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
17	Clavos Gold Mines Ltd.	3†	3/46	180°	-55°	61'	506'	serp,calc,qcv	Au
18	" "	4-1†	3/46	0°	-50°	57'	501'	py,qcv,po,cp	Au
19	" "	5†	3/46	0°	-75°	52'	248'	serp,py,q qcv,carb	Au
20	" "	6	3/46	180°	-55°	167'	608'	py,qcv carb,q	Au
21	" "	8†	4/46	180°	-50°	107'	477'	py,asp qcv,calc	Au
22	" "	9†	5/46	180°	-45°	12'	362'	-	Au
23	" "	10†	1946	0°	-45°	64'	918'	py	Au
24	" "	11-1†	5/46	180°	-50°	112'	468'	py,q,asp carb	Au
25	" "	12†	6/46	180°	-55°	112'	500'	py,asp	Au
26	" "	13†	6/46	180°	-53°	109'	136'	py,gf	Au
27	" "	14	7/46	180°	-50°	105'	346'	gf,py,asp	Au
28	" "	15	7/46	180°	-50°	115'	399'	py,qcv,asp	Au
29	" "	16	7/46	180°	-55°	97'	524'	serp,qcv,py asp,carb	Au
30	" "	17	8/46	180°	-50°	108'	574'	py,qcv,carb	Au

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Timmins Core Storage Library

xx - No date

†† - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
31	Clavos Gold Mines Ltd.	18†	11/46	180°	-50°	136'	526'	py,gf,carb asp,q	Au
32	" "	19	11/46	180°	-55°	116'	473'	py,carb,asp	Au
33	" "	20	11/46	180°	-55°	126'	483'	py,qcv,asp	Au
34	" "	21†	11/46	180°	-60°	148'	573'	py,qcv,asp carb	Au
35	" "	22†	12/46	180°	-60°	123'	471'	py,asp	Au
36	" "	23†	12/46	180°	-55°	140'	492'	py,asp,q	Au
37	" "	24	1/47	180°	-55°	171'	493'	py,asp	Au
38	" "	25	1/47	180°	-60°	168'	459'	py,carb,asp	Au
39	" "	26	1/47	180°	-55°	151'	449'	py,carb,asp	Au
40	" "	27	1947	180°	-54°	172'	492'	py,carb,qcv	Au
41	" "	33†	1947	180°	-55°	75'	888'	py,qcv,serp carb,asp	Au
42	" "	34	1947	180°	-55°	81'	897'	py,serp carb,asp	Au
43	" "	35†	1947	0°	-57°	190'	294'	-	Au
44	Cominco Limited (T-2523)	SMO-51	2/83	-	-90°	133'	137'	py	-

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

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xx - No data

+ - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
45	Cominco Limited (T-2523)	SMO-54	2/83	-	-90°	136'	140'	-	-
46	" "	SMO-56	2/83	-	-90°	137'	140'	-	-
47	" "	SMO-57	2/83	-	-90°	159'	163'	-	-
48	" "	SMO-58	1983	-	-90°	152'	157'	py	-
49	" "	SMO-59	1983	-	-90°	123'	125'	qcv	-
50	" "	SMO-60	1983	-	-90°	60'	65'	py	-
51	" "	SMO-62	xx	-	-90°	145'	153'	py	-
52	" "	SMO-73	xx	-	-90°	102'	112'	py	-
53	Cominco Limited (T-2742)	STD-86-2	7/86	180°	-55°	213'	590'	serp,mag,qcv py,hem,cp	-
54	" "	STD-86-3	7/86	180°	-55°	230'	558'	mag	-
55	" "	ST-17B	10/84	-	-	117'	170'	py	-
56	" "	ST-18	10/84	-	-90°	149'	154'	-	-
57	" "	ST-21	10/84	-	-90°	137'	145'	-	-
58	" "	ST-22	10/84	-	-90°	175'	186'	-	-
59	" "	ST-40	4/84	-	-90°	132'	139'	-	-

? - Location unknown
* - Length of overburden down drill hole
xx - No date
** - No drill logs
† - Core stored at Timmins Core Storage Library
†† - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
60	Cominco Limited (T-2742)	STO-28	5/84	-	-90°	127'	150'	-	-
61	" "	STO-29	5/84	-	-90°	125'	130'	-	-
62	" "	STO-30	5/84	-	-90°	137'	142'	-	-
63	" "	STO-31	5/84	-	-90°	122'	127'	-	-
64	" "	STO-32	5/84	-	-90°	122'	127'	-	-
65	" "	STO-33	5/84	-	-90°	92'	97'	calc	-
66	" "	STO-34	5/84	-	-90°	97'	101'	-	-
67	" "	ST-11	11/83	-	-90°	166'	171'	-	-
68	" "	ST-12	11/83	-	-90°	170'	177'	-	-
69	" "	ST-13	11/83	-	-90°	159'	163'	-	-
70	" "	ST-14	11/83	-	-90°	174'	178'	-	-
71	" "	ST-15	11/83	-	-90°	160'	165'	-	-
72	" "	ST-16	11/83	-	-90°	139'	149'	-	-
73	" "	ST-17	11/83	-	-90°	145'	150'	-	-
74	" "	ST-1	11/83	-	-90°	67'	71'	-	-
75	" "	ST-2	11/83	-	-90°	47'	52'	-	-

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

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xx - No data

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
76	Cominco Limited (T-2742)	ST-3	11/83	-	-90°	-	46'	-	-
77	" "	ST-4	11/83	-	-90°	53'	57'	-	-
78	" "	ST-5	11/83	-	-90°	66'	70'	-	-
79	" "	SMO-82	3/83	-	-90°	55'	60'	-	-
80	" "	SMO-83	3/83	-	-90°	42'	47'	-	-
81	" "	SMO-84	3/83	-	-90°	85'	90'	-	-
82	" "	SMO-85	3/83	-	-90°	95'	100'	py	-
83	" "	SMO-78	3/83	-	-90°	90'	90'	-	-
84	" "	SMO-70	3/83	-	-90°	69'	74'	-	-
85	" "	SMO-69	3/83	-	-90°	85'	90'	-	-
86	" "	SMO-65	3/83	-	-90°	84'	93'	-	-
87	" "	SMO-46	2/83	-	-90°	134'	135'	-	-
88	" "	SMO-44	2/83	-	-90°	108'	111'	-	-
89	" "	SMO-90	3/83	-	-90°	104'	109'	py	-
90	" "	SMO-89	3/83	-	-90°	102'	107'	-	-
91	" "	SMO-88	3/83	-	-90°	88'	93'	-	-

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

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xx - No data

++ - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
92	Cominco Limited (T-2742)	SMO-87	3/83	-	-90°	135'	145'	-	-
93	" "	SMO-86	3/83	-	-90°	65'	70'	py	-
94	" "	SMO-18	11/83	-	-90°	98'	104'	-	-
95	" "	SMO-19	11/83	-	-90°	92'	96'	-	-
96	" "	SMO-20	11/83	-	-90°	83'	84'	py	-
97	" "	SMO-21	11/83	-	-90°	98'	102'	py	-
98	" "	SMO-22	11/83	-	-90°	186'	211'	-	-
99	" "	SMO-23	11/83	-	-90°	-	200'	-	-
100	" "	SMO-24	11/83	-	-90°	68'	71'	-	-
101	" "	SMO-25	11/83	-	-90°	170'	182'	-	-
102	" "	STO-21	4/84	-	-90°	104'	107'	-	-
103	" "	STO-1	11/85	90°	-55°	180'	499'	py,qcv,carb	-
104	" "	STO-18	4/84	-	-90°	128'	130'	-	-
105	" "	STO-19	4/84	-	-90°	103'	116'	-	-
106	" "	STO-20	4/84	-	-90°	139'	145'	-	-
107	" "	STO-22	4/84	-	-90°	158'	159'	-	-

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Timmins Core Storage Library

xx - No data

†† - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
108	Cominco Limited (T-2742)	STO-23	4/84	-	-90°	146'	162'	-	-
109	" "	STO-24	4/84	-	-90°	99'	103'	-	-
110	" "	STO-25	4/84	-	-90°	114'	116'	-	-
111	" "	SMO-45	2/83	-	-90°	80'	82'	-	-
112	" "	SMO-47	2/83	-	-90°	55'	60'	py	-
113	" "	SMO-48	2/83	-	-90°	171'	176'	-	-
114	" "	SMO-53	2/83	-	-90°	135'	140'	-	-
115	" "	SMO-55	3/83	-	-90°	108'	113'	py	-
116	" "	SMO-61	3/83	-	-90°	96'	101'	py	-
117	" "	SMO-63	3/83	-	-90°	129'	134'	py	-
118	" "	SMO-67	3/83	-	-90°	105'	105'	-	-
119	" "	ST-6	11/83	-	-90°	136'	140'	py,qcv	-
120	" "	ST-7	11/83	-	-90°	155'	158'	-	-
121	" "	ST-8	11/83	-	-90°	206'	210'	qcv	-
122	" "	ST-9	11/83	-	-90°	179'	183'	-	-
123	" "	ST-10	11/83	-	-90°	149'	151'	-	-

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Timmins Core Storage Library

xx - No data

†† - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
124	Cominco Limited (T-2742)	SMO-80	3/83	-	-90°	212'	216'	py	-
125	" "	SMO-81	3/83	-	-90°	137'	141'	-	-
126	" "	SMO-79	3/83	-	-90°	151'	155'	py	-
127	" "	SMO-77	3/83	-	-90°	107'	115'	-	-
128	" "	SMO-76	3/83	-	-90°	128'	135'	-	-
129	" "	SMO-75	3/83	-	-90°	-	113'	-	-
130	" "	SMO-74	3/83	-	-90°	110'	113'	-	-
131	" "	SMO-72	3/83	-	-90°	108'	115'	-	-
132	" "	SMO-71	3/83	-	-90°	112'	114'	-	-
133	" "	SMO-68	3/83	-	-90°	104'	108'	gf,qcv	-
134	" "	SMO-66	3/83	-	-90°	125'	128'	-	-
135	" "	GEO-10	5/84	-	-90°	204'	209'	-	-
136	" "	GEO-28	5/84	-	-90°	120'	125'	-	-
137	Cominco Limited (T-2783)	STO-2	1983	-	-90°	93'	97'	-	-
138	" "	STO-1	1983	-	-90°	93'	96'	-	-

? - Location unknown * - Length of overburden down drill hole xx - No date

STOCK TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
139	Cominco Limited (T-2834)	BO-1	5/84	-	-90°	77'	82'	-	-
140	" "	BO-2	5/84	-	-90°	103'	108'	py	-
141	" "	BO-3	5/84	-	-90°	63'	68'	-	-
142	" "	BO-4	5/84	-	-90°	96'	105'	-	-
143	" "	BO-5	5/84	-	-90°	140'	145'	-	-
144	" "	BO-6	5/84	-	-90°	121'	127'	-	-
145	" "	BO-7	5/84	-	-90°	144'	149'	-	-
146	" "	BO-11	5/84	-	-90°	81'	85'	-	-
147	" "	BO-12	5/84	-	-90°	119'	124'	-	-
148	" "	BO-14	5/84	-	-90°	76'	81'	-	-
149	" "	BO-15	5/84	-	-90°	130'	131'	-	-
150	" "	BO-16	5/84	-	-90°	168'	173'	-	-
151	" "	BO-17	5/84	-	-90°	115'	120'	-	-
152	" "	BO-8	4/84	-	-90°	174'	179'	-	-
153	" "	BO-9	4/84	-	-90°	150'	152'	-	-
154	" "	BO-10	4/84	-	-90°	104'	109'	-	-

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Timmins Core Storage Library

xx - No data

†† - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
155	Cominco Limited (T-2834)	SKO-1	4/84	-	-90°	140'	143'	-	-
156	" "	SKO-2	4/84	-	-90°	131'	133'	py,qcv	-
157	" "	SKO-3	4/84	-	-90°	122'	125'	-	-
158	" "	SKO-4	4/84	-	-90°	135'	139'	-	-
159	Dalhousie Oil Co. Ltd.	DS-802	5/80	135°	-70°	126'	756'	py,qcv,q	-
160	" "	DS-804	5/80	315°	-70°	146'	583'	py,qcv,cp	-
161	Evoy, N.	1	11/61	165°	-45°	-	120'	py,po	-
162	" "	2	12/61	195°	-45°	-	120'	py,po	-
163	Hollinger Argus Ltd.(T-1960	S2B-1-80	3/80	350°	-60°	102'	899'	po,carb,py,q	Au
164	" "	S2B-2-82	2/82	350°	-55°	93'	776'	py,calc,cp carb,serp sp,gn,mag	-
165	" "	S2B-3-82	2/82	0°	-55°	154'	550'	py,serp,cp carb,calc mag	-
166	" "	S1A-1-80†	1/80	-	-90°	80'	949'	py,carb,cp serp,calc gf,mag	Au

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

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xx - No data

++ - From till heavy mineral concentrates

STOCK Township

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
167	Hollinger Argus Ltd.	SIA-2-80†	2/80	350°	-55°	90'	817'	py,carb,cp calc,serp mag,sp,po	Au,Cu,Pb Zn,Ni
168	Hollinger Argus Ltd.	SIA-3-80†	2/80	-	-90°	134'	1058'	py,hem,calc cp,carb serp,sp	Au
169	" "	SIA-4-80†	3/80	350°	-60°	138'	1066'	py,calc,cp gn,carb,mag serp,hem	Au
170	Newman, R.	2	6/64	330°	-45°	102'	1011'	py	-
171	Quebec Sturgeon River Mines Ltd. (T-1509)	QS-14	2/73	0°	-55°	169'	957'	mag,serp,py qcv,carb	-
172	" "	QS-13	3/73	0°	-55°	155'	714'	py,carb qcv,serp	-
173	Quebec Sturgeon River Mines (T-1611)	QS-77	12/74	0°	-55°	175'	199'	-	-
174	" "	QS-60	2/74	-	-90°	265'	265'	abandoned	-
175	" " (115 ddh's 1st level)	2-01 to 2-115	1981	-	-	-	-	-	Au
176	St. Andrew Goldfields	SAS-1	11/84	152°	-65°	56'	497'	py,carb q,cp,qcv	Au
177	" "	SAS-2	10/84	208°	-	60'	126'	py,q,carb qcv	Au

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

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xx - No data

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
178	St. Andrew Goldfields	SAS-2A	11/84	152°	-65°	63'	476'	py,q,carb qcv	Au
179	" "	SAS-3	10/84	152°	-63°	80'	556'	py,carb,q	Au
180	" "	SAS-4	11/84	152°	-65°	90'	536'	py,qcv carb,q	Au
181	" "	SAS-5	11/84	152°	-65°	74'	487'	py,q,cp VG,carb	Au
182	" "	SAS-6	11/84	152°	-65°	90'	248'	py,carb qcv,q	Au
183	" "	SAS-6A	11/84	332°	-70°	82'	491'	py,carb,q	Au
184	" "	SAS-7	11/84	152°	-65°	125'	846'	py,q,cp	Au
185	" "	SAS-8	11/84	152°	-65°	80'	596'	py,q carb,cp	Au
186	" "	SAS-15	11/84	332°	-65°	44'	265'	py,qcv,q	Au
187	" "	SAS-16	11/84	332°	-65°	54'	397'	py,cp,q carb,qcv	Au
188	" "	SAS-17	11/84	332°	-65°	80'	200'	py,q,carb	Au
189	" "	SAS-18	11/84	332°	-65°	86'	308'	py,q,carb	Au
190	" "	SAS-19	11/84	332°	-65°	102'	313'	py,q,qcv	Au

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

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xx - No data

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
191	St. Andrew Goldfields	SAS-20	12/84	332°	-65°	80'	416'	py,q,carb	Au
192	" "	SAS-21	12/84	332°	-62°	94'	436'	py,q,carb	Au
193	" "	SAS-22	12/84	332°	-65°	96'	561'	py,q,carb calc	Au
194	" "	SAS-23	12/84	332°	-67°	113'	300'	py,carb,q	Au
195	" "	SAS-24	11/84	340°	-65°	57'	1359'	py,carb,q	Au
196	" "	SAS-26	12/84	340°	-65°	104'	1222'	py,calc q,po,carb	Au
197	" "	SAS-27	12/84	332°	-67°	48'	1231'	py,calc q,carb	Au
198	" "	SAS-28	12/84	332°	-75°	113'	2470'	py,q,carb	Au
199	" "	SAS-29	1/85	332°	-75°	60'	848'	py,carb,q	Au
200	" " (101 ddh's 2nd level)	3-01 to 3-117	-	-	-	-	-	-	Au
201	" " (113 ddh's 3rd level)	4-01 to 4-127	-	-	-	-	-	-	Au
202	" " (128 ddh's 4th level)	5-01 to 5-131	-	-	-	-	-	-	Au

? - Location unknown

* - Length of overburden down drill hole

xx - No date

** - No drill logs

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++ - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
203	West Stock Property	A-1	3/39	155°	-50°	158'	158'	abandoned	-
204	" "	A-2	3/39	170°	-55°	174'	358'	qcv	-
205	" "	A-3	4/39	155°	-55°	152'	220'	-	-
206	" "	A-4	1939	-	-50°	148'	363'	-	-
207	" "	1	1/60	0°	-55°	276'	276'	abandoned	-
208	" "	2	1/60	0°	-55°	75'	856'	py,qcv,carb cp,calc,hem	-
209	" "	S3	8/60	180°	-57°	112'	1156'	py,qcv carb,serp	-
210	" "	S4	9/60	10°	-55°	108'	935'	qcv,serp	-
211	" "	S5	10/60	328°	-55°	121'	121'	abandoned	-
212	" "	S6	10/60	183°	-55°	115'	848'	py,cp,calc	-
213	" "	S7	9/61	330°	-55°	93'	418'	qcv	-
214	" "	S15	10/62	324°	-55°	189'	603'	py,mag,q carb,qcv	-
215	" "	S19	4/63	350°	-55°	122'	883'	py,qcv	-
216	" "	S20	5/63	347°	-55°	62'	600'	py,qcv,hem,q	-
217	" "	S32	3/64	0°	-55°	175'	632'	py,qcv,hem	-

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Timmins Core Storage Library

xx - No data

++ - From till heavy mineral concentrates

STOCK TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
218	West Stock Property	S34	4/64	0°	-55°	135'	1205'	py,qcv serp,cp	-
219	" "	S39	6/64	320°	-55°	205'	841'	py,qcv	-
220	" "	R-1	8/61	350°	-50°	230'	230'	abandoned	-
221	" "	R-2	8/61	10°	-55°	55'	825'	py,qcv,carb serp,calc	-
222	Surveymin Ltd. (T-2325)	ST-81-3†	6/81	170°	-57°	260'	1197'	py,qcv,q gf,asp	Au
223	" "	ST-81-2†	6/81	170°	-55°	48'	1337'	qcv,serp,ash carb,py,q,po sp,cp,gf,calc	Au
224	" "	ST-81-1†	5/81	350°*	-55°	164'	1095'	py,q,qcv asp,serp	Au

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Timmins Core Storage Library

xx - No data

++ - From till heavy mineral concentrates

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
6	Aerodat Limited Bruneau Mining Corp.	Magnetic Electromagnetic	(45m) 148'	N-S	(100m) 328'
7	Aerodat Limited Canamax Resources	Magnetic Electromagnetic	45m 148'	N-S	(100m) 328'

STOCK TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDH FORM NO.

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

Aerial Photographs

Black and White scale 1:1/4 mile
scale 1:1 mile

Landsat Data scale 1:500,000

Band 3 , 9/5/83
Band 4 , 31/2/83
Bands 1+2+4 , 2/10/83
Bands 1+2+4 , 9/5/83

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

BRUNEAU MINING CORP.

The Northern Miner	Jul 18, 1985	Jan 12, 1984
	Apr 19, 1984	Dec 13, 1984
	Jan 10, 1985	Mar 21, 1985
	Apr 18, 1985	Oct 14, 1985
	Dec 23, 1985	
Timmins Daily Press	Jan 18, 1984	
Unknown	Oct 06, 1983	

CANAMAX RESOURCES

North American Gold Mining Industry News	Mar 15, 1985	
The Northern Miner	Jan 27, 1986	Apr 14, 1986
	Jun 16, 1986	Jan 12, 1984
	Apr 19, 1984	Dec 13, 1984
	Jan 10, 1985	Mar 21, 1985
	Apr 18, 1985	Oct 14, 1985
	Dec 23, 1985	
Unknown	Oct 06, 1983	

CLAVOS PORCUPINE MINE

The Northern Miner	Jan 12, 1984	Dec 13, 1984
	Jan 10, 1985	Mar 21, 1985
	Apr 18, 1985	Oct 14, 1985
	Dec 23, 1985	
Timmins Daily Press	Jan 18, 1984	
Unknown	Oct 06, 1983	

CONIGAS MINES

Unknown	Jan 08, 1976	
	Aug 13, 1981	
	Mar 31, 1983	

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

ESSO MINERALS CANADA			
	The Northern Miner	Apr 07, 1986	May 26, 1986
		Feb 03, 1986	Jul 18, 1985
	Timmins Daily Press	Feb 21, 1986	Dec 30, 1980
	Timmins Lifestyles	Dec 17, 1986	
	Unknown	Apr 07, 1986	Apr 09, 1986
GLEN AUDEN			
	Timmins Daily Press	Aug 28, 1986	
HOLLINGER ARGUS LTD.			
	The Northern Miner	Jan 17, 1985	Mar 07, 1985
HOLLINGER MINES LTD.			
	The Northern Miner	Feb 03, 1986	
	Timmins Daily Press	Jan 07, 1982	
	Unknown	Sep 27, 1983	
IMPERIAL MINING LTD.			
	Timmins Daily Press	Jan 07, 1982	
LABMIN RESOURCES			
	The Northern Miner	Jul 18, 1985	
LABRADOR MINING & EXPLORATION LTD.			
	The Northern Miner	Feb 03, 1986	
	Timmins Daily Press	Dec 30, 1986	
	Unknown	Apr 07, 1986	Apr 09, 1986

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

NAHANNI			
	The Northern Miner	Jun 17, 1982	
	Unknown	Jun 22, 1981	Jun 25, 1981
		Feb 18, 1982	
NORANDA EXPLORATION CO.			
	Unknown	Oct 06, 1983	
QUEBEC STURGEON RIVER			
	The Northern Miner	Sep 06, 1973	Jul 05, 1973
		May 29, 1975	Oct 30, 1975
		Mar 13, 1980	Jun 04, 1981
		Jul 16, 1981	Feb 18, 1982
		Jul 01, 1982	Mar 31, 1983
		May 26, 1983	Aug 25, 1983
		May 10, 1984	Sep 12, 1984
		Jun 27, 1985	Feb 03, 1986
		Jun 23, 1986	
	Timmins Daily Press	Oct 23, 1973	
	Unknown	Sep 06, 1973	Sep 27, 1973
		Nov 01, 1973	Jun 10, 1975
		Jun 26, 1975	Jan 08, 1976
		Jun 17, 1976	Jun 16, 1977
		Feb 09, 1978	May 25, 1978
		Jun 21, 1979	Jan 17, 1980
		Jun 26, 1980	Oct 09, 1980
		May 25, 1981	Aug 13, 1981
		May 27, 1982	- - , 1982
		Jun 23, 1983	Sep 08, 1983
		Nov 24, 1983	Apr 07, 1986
	Timmins Lifestyles	Dec 17, 1986	
REDSTONE RESOURCES			
	Unknown	Jun 25, 1981	

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

ROSARIO RESOURCES

The Northern Miner	Jan 12, 1984	

ST. ANDREW GOLDFIELDS

The Northern Miner	Mar 31, 1983	May 26, 1983
	Aug 25, 1983	Feb 23, 1984
	May 10, 1984	May 29, 1984
	Jun 14, 1984	Aug 30, 1984
	Dec 06, 1984	Jan 17, 1985
	Mar 07, 1985	May 30, 1985
	Jun 27, 1985	Jul 18, 1985
	Feb 03, 1986	May 12, 1986
	May 26, 1986	Jun 23, 1986
	Jul 09, 1986	
Timmins Daily Press	Jun 03, 1985	Jul 10, 1985
	Dec 12, 1985	Feb 21, 1986
	Aug 20, 1986	Aug 26, 1986
	Dec 10, 1986	Dec 30, 1986
Unknown	Jun 23, 1983	Sep 08, 1983
	Oct 20, 1983	Nov 24, 1983
	Sep 03, 1985	Apr 07, 1986
	Apr 09, 1986	

ODM GENERAL INDEX SEARCH

Words searched:
Stock Township

Index Volume	Listing:	Report Volume	Part	Page
3	Stock Tp., Coch.			
	Natural Resources	40	3	5
	Nickeliferous pyrrhotite	40	3	22
8	Stock Tp., Coch.			
	Gravity Survey of Tim-Math-Cobalt areas	GR 127		
9	Stock Tp., Coch.			
	Gravity Survey Tim-Matheson area	GR 135		

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ayers, L.D. Lumbers, S.B. Milne, V.G. Robeson, D.W.	1970	Ontario Geological Map	ODMNA Map 2196	1:1 013 760
Ayers, L.D. Lumbers, S.B. Milne, V.G. Robeson, D.W.	1971	Ontario Geological Map, East Central Sheet	ODMNA Map 2198	1:1 013 760
Boissoneau, A.N.	1965	Algoma-Cochrane Surficial Geology, Ontario	ODL & F Map S365	1:506 880
Card, K.D. Sanford, B.V.	1983	Geology of the Timmins Map Sheet (NM-17)	GSC OF 956	1:1 000 000
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 3: East-Central Ontario, All Isotopic Systems	OGS Map P.2842	1:1 013 760
Ginn, R.M.	1964	Timmins-Kirkland Lake Sheet, Cochrane, Sudbury and Timiskaming Dists., Ont. Geol. Compilation Series	ODM Map 2046	1:253 440
Ginn, R.M. Fenwick, K.F.	1962	Iroquois Falls-Lake Abitibi Sheet, District of Cochrane	ODM Map P.140	1:126 720
Gordon, J.B.	1977	Gold Deposits of Ontario, East Central Sheet	OGS Map P.1228	1:1 013 760
Gordon, J.B.	1980	Vein Silver Deposits of Ontario, East Central Sheet	OGS Map P.2300	1:1 013 760
Guillet, G.R.	1977	Clay and Shale Deposits of Ontario	OGS Map 2358 (MDC 15)	1:200 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Jost, M.	1977	Nickel Deposits of Ontario, East Central Sheet	OGS Map P.1062	1:1 013 760
Lumbers, S.B. Milne, V.G.	1979	Ontario Geological Map, Explanatory Text, Legend and Diagrams of Major Lithologies, Structures and Zones of Metamorphism	OGS Map 2391	1:1 013 760
Lumbers, S.B. Milne, V.G.	1979	Ontario Geological Map, East Central Sheet	OGS Map 2393	1:1 013 760
McCrank, G.F. Brown, P.A. Misiura, J.D.	1980	Plutonic Rocks in Ontario, with map.	GSC OFR 706	
MERQ-OGS	1984	Lithostratigraphic Map of the Abitibi Subprovince	OGS Map 2484 Que Map DV83-16	1:500 000
Meyn, H.D. Howarth, J.R.	1977	Molybdenum Deposits of Ontario, East Central Sheet	OGS Map P.1246	1:1 013 760
Meyn, H.D. Robertson, J.A.	1975	Iron Deposits of Ontario, East Central Sheet, Districts of Thunder Bay, Algoma, Cochrane, Sudbury, Timiskaming and Nipissing	ODM Map P.1043	1:1 013 760
Ministry of Natural Resources	1985	Ontario Mineral Map	ODM Map 2472	1:1 584 000
Minnes, D.G. Masham, J.S. Scott, D.W. Vos, M.A. & Yundt, S.E.	1983	Industrial Minerals of Ontario	OGS Map P.2591	1:1 500 000
ODM	1969	Mining Divisions and Resident Geologists Districts	ODM Map 2189	1:1 584 000
ODM	1974	Ontario Mineral Map	ODM Map 2310	1:1 584 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
ODM	1977	Ontario Geology and Principal Minerals	ODM Map 2389 (Rev.)	1:4 224 000
ODMNA	1971	Ontario Geology and Principal Mineral Collecting Localities, Discover Ontario	ODMNA Map 2211	1:4 224 000
OGS	1986	Geological Highway Map, Northern Ontario	OGS Map 2506	1:1 600 000
Pyke, D.R., Ayres, L.D. Innes, D.G.	1973	Timmins - Kirkland Lake, Geological Compilation Series, Cochrane, Sudbury and Timiskaming Districts	ODM Map 2205	1:253 440
Robertson, J.A.	1976	Mineral Potential Map of Ontario, East Central Sheet	ODM Map P.1099	1:1 013 760
Robertson, J.A.	1982	Uranium and Thorium Deposits of Ontario, East Central Sheet, NTS 31/NW, 32/W, 41/N, 42	OGS Map P.2426	1:1 013 760
Springer, J.	1977	Ontario Mineral Potential, Timmins Sheet and Part of Noranda-Rouyn Sheet, Districts of Sudbury, Timiskaming and Cochrane	OGS Map P.1517	1:250 000
		GEOPHYSICAL MAPS		
Data Plotting Services Inc.	1984	Matheson-Black River Area (BRIM) Magnetic Survey Total Field, based on Airborne Electromagnetic and Total Intensity Magnetic Survey, Matheson-Black River Area, by Questor Surveys Ltd. for the OGS. (1984)	MNDM Resident Geologist's Office, Kirkland Lake, Ontario	1:80 000
Data Plotting Services Inc.	1985	Matheson-Black River Area (BRIM) Airborne Magnetic Survey Second Vertical Derivative based on Airborne Electromagnetic and Total Intensity Magnetic Survey, Matheson-Black River Area, by Questor Surveys Ltd. for the OGS. (1984)	MNDM Resident Geologist's Office, Kirkland Lake, Ontario	1:100 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Dighem Surveys and Processing Inc.	1986	"Enhanced Shadow" Magnetics, Black River-Matheson Area (BRIM) based on Airborne Electromagnetic and Total Intensity Magnetic Survey, Matheson-Black River Area, by Questor Surveys Ltd. for the OGS. (1984)	MNDM Resident Geologist's Office, Kirkland Lake, Ontario	1:100 000
GSC	1970	Porquis Junction, Cochrane District Aeromagnetic Series	GSC Map 297G (Rev.)	1:63 360
GSC	1970	Timmins, Cochrane, Timiskaming and Sudbury Districts, Ontario, Total Field Contour Map Aeromagnetic Series	GSC Map 7085G	1:250 000
GSC	1970	Porquis Junction, Cochrane District Aeromagnetic Series	GSC Map 8439G	1:31 680
GSC	1970	Porquis Junction, Cochrane District Aeromagnetic Series	GSC Map 8444G	1:31 680
ODMNA	1974	Aeromagnetic Index of Ontario	ODMNA Map 2229	1:1 900 800
OGS	1984	Airborne Electromagnetic and Total Intensity Magnetic Survey, Matheson-Black River Area, Stock Township	OGS Map 80 582	1:20 000 1:31 680
OGS	1986	Backhoe Till Samples, Stock, Taylor, Carr, Currie, Bowman and Sheraton Townships, District of Cochrane	OGS Map 80 793	1:100 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Total Count, Timmins, NTS 42A	OGS Map 80 280 GSC Map 35142G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Potassium (percent), Timmins, NTS 42A	OGS Map 80 281 GSC Map 35142G	1:250 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Uranium (eU), Timmins, NTS 42A	OGS Map 80 282 GSC Map 35142G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Thorium (eTh), Timmins, NTS 42A	OGS Map 80 283 GSC Map 35142G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric eU/Th Ratio, Timmins, NTS 42A	OGS Map 80 284 GSC Map 35142G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric eU/K Ratio, Timmins, NTS 42A	OGS Map 80 285 GSC Map 35142G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric eTh/K Ratio, Timmins, NTS 42A	OGS Map 80 286 GSC Map 35142G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Profiles of Integral U, K, Th, U/Th, U/K, Th/K for line 51 (1), Timmins, NTS 42A	OGS Map 80 306 GSC Map 35142G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Profiles of Integral U, Th, K, U/Th, U/K, Th/K for line 52 (1), Timmins, NTS 42A	OGS Map 80 307 GSC Map 35142G	1:250 000
		GEOLOGICAL MAPS AND REPORTS		
Averill, S.A. MacNeil, K.A. Huneault, R.G. Baker, C.L.	1986	Rotasonic Drilling Operations (1984) and Overburden Heavy Mineral Studies, Matheson Area, District of Cochrane	OGS OFR 5569	61p.
Baker, C.L.	1985	Overburden Stratigraphy of the Matheson Area: Advancing Thoughts on Ice Fronts (Abstract)	OGS Geo.Sci. Seminar & Open House '85	p.9

STOCK TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scale and/or Report Pages
Baker, C.L. Steele, K.G.	1984	Sonic Drilling-Exploration Basics in the Matheson Area (Abstract)	OGS Geo. Sci. Seminar & Open House '85	p.23
Baker, C.L. Steele, K.G. Fortescue, J.A.C.	1984	Reconnaissance Till Sampling Program in the Matheson Area, District of Cochrane	OGS MP 119	p.295-298
Baker, C.L. Steele, K.G. McClenaghan, M.B. Fortescue, J.A.C.	1984	Location of Gold Grains in Sonic Drill Core Samples from the Matheson Area, Cochrane District	OGS Map P.2736	1:100 000
Barlow, R.B. Pitcher, D.H.	1984	An Airborne Electromagnetic-Magnetic Survey of the Black River-Matheson (BRIM) Area, District of Cochrane	OGS MP 119	p.287-289
Bath, A.C.	1985	Black River-Matheson Economic Geologist Program	OGS MP 126	p.301-311
Bath, A.C.	1985	Black River-Matheson Economic Geologist Program (Abstract)	OGS Geo. Sci. Seminar & Open House '85	p.8
Bath, A.C.	1986	Black River-Matheson Economic Geologist Program	OGS MP 132	p.421-430
Bright, E.G.	1973	1972 Report of the Timmins Resident Geologist	ODM MP 54	p.159-180
Bright, E.G.	1974	1973 Report of the Timmins Resident Geologist	ODM MP 57	p.167-183
Ferguson, S.A. Groen, H.A. Haynes, R.	1971	Gold Deposits of Ontario	ODM Min. Res. Circ. 13, pt. 1	315p.
Fortescue, J.A.C.	1984	Summary of Activities 1984, BRIM Program	OGS MP 119	p.274-277

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Ginn, R.M. Leahy, E.J. Savage, W.S.	1962	Matheson-Black Sheet, District of Cochrane	ODM Map P.119	1:63 760
Gleeson, C.F. Hornbrook, E.H.W.	1973	Moving Average - Residual Anomaly Maps Showing Distribution of Elements in Lake Bottom Sediments in the Timmins-Val d'Or Region	GSC OF 127	
GSC	1981	Magnetic Anomaly Map, Timiskaming-Kapuskasing Region	GSC Map 1563A	1:1 000 000
Guillet, R.	1969	Ontario Marl Deposits	ODM Map 2183	1:1 013 760
Hewitt, D.F. Vos, M.A.	1972	Ontario Limestone Quarries, 1971	ODM Map 2264 (Rev.)	1:1 013 760
Hodgson, C.J.	1983	Preliminary Report on the Timmins-Kirkland Lake Area Gold Deposits File	OGS OFR 5467	434p.
Hornbrook, E.H.W. Gleeson, C.F.	1972	Regional Geochemical Lake Bottom Sediment and Till Sampling in the Timmins-Val d'Or Region of Ontario and Quebec	GSC OF 112	
Hughes, O.L.	1959	Surficial Geology of Iroquois Falls, Cochrane District	GSC Map 46-1959	1"=2 mi
Hurst, M.E.	1943	Abitibi-Timiskaming Area, Districts of Cochrane and Timiskaming	ODM Map 1934A	1:126 7 .)
Jensen, L.S.	1985	Geological Overview of the BRIM Area (Abstract)	OGS Geo. Sci. Seminar & Open House '85	p.6

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Jensen, L.S. Baker, C.L. Trowell, N.F.	1985	Preliminary Results of Bedrock Samples from the Sonic Drilling Program in the Matheson Area, Cochrane District	OGS Map P.2848	1:100 000
Jensen, L.S. Langford, F.F.	1983	Geology and Petrogenesis of the Archean Abitibi Belt in the Kirkland Lake Area, Ontario	OGS OFR 5455	520p.
Jensen, L.S. Langford, F.F.	1985	Geology and Petrogenesis of the Archean Abitibi Belt in the Kirkland Lake Area, Ontario	OGS MP 123	130p.
Karvinen, W.O.	1975	Porquis Junction Area, District of Cochrane	ODM MP 63	p.107-106
Karvinen, W.O. Hunt, D.S.	1975	1974 Report of the Timmins Resident Geologist	OGS MP 60	p.99-122
Karvinen, W.O. Hunt, D.S.	1976	1975 Report of the Timmins Resident Geologist	OGS MP 64	p.62-76
Kileen, P.G. Hobson, G.D.	1974	Project EGMA Seismic Survey - Timmins, Ontario to Val d'Or, Quebec	GSC Paper 74-44	33p.
Knight, C.W. Burrows, A.G. Hopkins, P.E. Parons, A.L.	1919	Gold Area Between Lakes Abitibi and Night Hawk, Timiskaming District	OBM Map 28B AR 28, pt.2	1:126 720 p.1-70
Laird, H.C.	1931	German-Currie Area (with AR 40, pt. 3)	ODM Map 40b	1:63 760
Lee, H.A.	1979	Northern Ontario Engineering Geology Terrain Study, Data Base Map, Iroquois Falls	OGS Map 5027	1:100 000
Lovell, H.L. Caine, T.W.	1970	Lake Timiskaming Rift Valley	ODM MP 39	

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Lovell, H.L. Grabowski, G. Guindon, D. Bath, A.C.	1986	Kirkland Lake Resident Geologist Area, Northern Region	OGS MP 128	p.179-212
Luhta, L.E. Sangster, P.J.	1981	1980 Report of the Timmins Resident Geologist	OGS MP 95	p.68-86
Luhta, L.E. Sangster, P.J.	1982	1981 Report of the Timmins Resident Geologist	OGS MP 101	p.71-92
Luhta, L.E. Sangster, P.J.	1983	1982 Report of the Timmins Resident Geologist	OGS MP 107	p.83-10[illegible]
Luhta, L.E. Sangster, P.J.	1984	Report of Activities 1983, Timmins Resident Geologist	OGS MP 117	p.107-1[illegible]4
Luhta, L.E. Sangster, P.J.	1985	Timmins Resident Geologist Area, Northern Region	OGS MP 122	p.134-161
Luhta, L.E. Sangster, P.J. Ireland, J.C.	1986	Timmins Resident Geologist Area, Northern Region	OGS MP 128	p.149-[illegible]2
Malczak, J.	1985	Underground Geology of the St. Andrew Goldfields Deposit, Stock Township	OGS OFM Map 25	1:750
Malczak, J.	1985	Preliminary Report of the St. Andrew Goldfields and Maude Lake Gold Deposits, District of Cochrane	OGS MP 126	p.316-[illegible]9
Malczak, J.	1985	Industrial Mineral Potential of the Black River-Matheson (BRIM) Area, District of Cochrane	OGS MP 126	p.326-328

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Malczak, J.	1985	Overview of the Industrial Mineral Potential of the Black River-Matheson (BRIM) Area (Abstract)	OGS Geo. Sci. Seminar & Open House '85	p.9
Malczak, J.	1985	Preliminary Showing of the St. Andrew Goldfields and Maude Lake Gold Deposits, BRIM Area (abstract)	OGS Geo. Sci. Seminar & Open House '85	p.7
McClenaghan, M.B.	1985	Backhoe Sampling and Analytical Procedures: Fingerprinting the Drift (Abstract)	OGS Geo. Sci. Seminar & Open House '85	p.10
Middleton, R.S.	1975	Gravity Control Network in the Timmins, Matheson and Cobalt Areas, Cochrane and Timiskaming Districts, Ontario	ODM Geo. Sci. Rept. 127	
Middleton, R.S.	1976	Gravity Survey of Geological Structures in the Timmins and Matheson Area, NTS 42A, Cochrane, Sudbury and Timiskaming Districts	ODM GR 135 Maps 2321 2322	
MNR	1975	Ontario Mineral Review 1974	MNR	
MNR	1976	Ontario Mineral Review 1975	MNR	
Northland Associates Ltd.	1985	Peat and Peatland Inventory of the Timmins-Kirkland Lake Area	OGS OFR 5540	609p.
OGS	1984	Ontario Mineral Deposit Inventory	OGS OFR 5470	
OGS	1986	Sonic Drillholes 84-30, Stock Township, and 84-34, Taylor Township, District of Cochrane	OGS Map 80 784	1:100 000
OGS	1986	Sonic Drillhole 84-32, Stock Township, District of Cochrane	OGS Map 80 786	1:100 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
OGS	1986	Sonic Drillhole 84-33, Stock Township, District of Cochrane	OGS Map 80 787	1:10 000
OGS	1986	Sonic Drillhole 84-35, Stock Township, District of Cochrane	OGS Map 80 788	1:10 000
OGS	1986	Sonic Drillhole 84-36, Stock Township, District of Cochrane	OGS Map 80 789	1:10 000
OGS	1986	Sonic Drillhole 84-37, Stock Township, District of Cochrane	OGS Map 80 790	1:10 000
Pitcher, D.H.	1985	A Correlation of Airborne and Ground Electromagnetics With Sonic Drilling Results in the Black River-Matheson Area	OGS MP 126	p.334-340
Pitcher, D.H. Barlow, R.B. McNeill, J.D.	1984	Mapping the Overburden in Black River-Matheson (BRIM) Area, District of Cochrane, employing an airborne time-domain system	OGS MP 119	p.299-307
Redman, J.D. Zhao, S.K. Strangway, D.W.	1986	Magnetotelluric Mapping of the Destor-Porcupine Fault	OGS MP 131	p.170-176
Richard, J.A.	1984	Quaternary Geology of the Porquis Junction (42A/10) and Watabeag River (42A/7) Map Areas, District of Cochrane	OGS MP 119	p.283-286
Richard, J.A. McClenaghan, M.B.	1985	Quaternary Geology of the Porquis Junction Area, District of Cochrane, (42A/10)	OGS Map P.2949	1:50 000
Sado, E.V.	1985	Summary of Activities 1985, Operation Black River-Matheson (BRIM)	OGS MP 126	p.287-290

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Sado, E.V.	1985	Introduction to the Black River-Matheson Program (BRIM) (Abstract)	OGS Geo. Sci. Seminar & Open House '85	p.5
Sado, E.V.	1986	Summary of Activities 1986, Operation Black River-Matheson (BRIM)	OGS MP 132	
Satterly, J.	1958	Geological Map of the Province of Ontario	ODM Map 1958B	1:1 267 200
Satterly, J.	1960	Stock Township, Ontario	ODM Map P.38	1:15 840
Satterly, J.	1960	Stock Township, Ontario	ODM Map P.48	1:15 840
Satterly, J.	1968	Aeromagnetic Maps of Carbonatite-Alkalic Complexes in Ontario	ODM Map P.452	1:4 224 000
Steele, K.G.	1985	Sonic Drilling- Rigs, Rods and Reasons (Abstract)	OGS Geo. Sci. Seminar & Open House '85	
Steele, K.G. Baker, C.L. McClenaghan, M.B.	1986	Reconnaissance Till Sampling Program, Matheson-Lake Abitibi Area, District of Cochrane	OGS MP 132	p.398-403
Steele, K.G. McClenaghan, M.B. Baker, C.L.	1986	Gold Grains in Backhoe Till Samples (1984-85) from the Matheson-Lake Abitibi Area, District of Cochrane	OGS Map P.2983	1:100 000
Strangway, D.W. Geissman, J.W. Bambrick, J. Letros, S. et al.	1981	Magnetism and Stratigraphy in Volcanic and Sedimentary Rocks of the Abitibi Belt	OGS MP 98	p.25 -266
Trowell, N.F.	1982	Black River-Matheson Area, District of Cochrane	OGS MP 106	p.5-7

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Trowell, N.F. Johnstone, R.	1983	Black River-Matheson Area, District of Cochrane	OGS MP 116	p.59-62
Vagners, U.J.	1983	Quaternary Geology of the Matheson and Lightning River Areas, District of Cochrane	OGS MP 116	p.101-103
Whittaker, P.J.	1984	Geological Setting of Gold Mineralization in the Black River-Matheson Area (Abstract)	OGS Geo. Sci. Seminar & Open House '84	p.2
Whittaker, P.J.	1985	Regional Metallogenesis of the BRIM Area, District of Cochrane (Abstract)	OGS Geo. Sci. Seminar & Open House '85	
Whittaker, P.J.	1986	Metallogenic Studies in the Black River-Matheson Area, Cochrane District	OGS OFM 65	
Whittaker, P.J. Malczak, J.	1984	Mineral Deposits Investigation in the Black River-Matheson (BRIM) Area, District of Cochrane	OGS MP 119	p.290-294
		JOURNAL ARTICLES, THESES AND TECHNICAL REPORTS		
Agterberg, F.P. Chung, C.F. Fabbri, A.G. Kelly, A.M.	1972	Geomathematical Evaluation of Copper and Zinc Potential of the Abitibi Area, Ontario and Quebec	GSC Paper 71-41	55p.
Brevart, O. Dupre, B. Allegre, C.J.	1986	Lead-Lead Age of Komatiitic Lavas and Limitations on the Structure and Evolution of the Precambrian Mantle	Earth & Plan. Sci. Letters v.77	p.293-302
Canada Department of Agriculture	1978	Soils of Timmins-Noranda-Rouyn Area, Ontario, NTS 42A-32D	Can. Dept. of Agri. Soil Surv. Rept. No. 46	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scale and/or Report Page
Goodwin, A.M.	1980	Archean Volcanic Studies in the Timmins-Kirkland Lake-Noranda Region of Ontario and Quebec	GSC Bull. 278 Map 1461A	51p. 1:250 000
Goodwin, A.M.	1980	Geology of Timmins-Kirkland Lake, Ontario-Quebec	OGS Map 1461A acc. Bull. 278	
Hughes, O.L.	1959	Surficial Geology of Smooth Rock and Iroquois Falls Map Areas, Cochrane District, Ontario	Unpub. PhD Thesis U of Kansas	
Hughes, O.L.	1965	Surficial Geology of Part of the Cochrane District, Ontario, Canada	Geol. Soc. of America Spec. Paper 84	
Jensen, L.S.	1985	Stratigraphy and Petrogenesis of Archean Metavolcanic Sequences, Southwestern Abitibi Subprovince, Ontario	GAC Spec. Paper No. 28	p.65-88
Kutina, J. Fabbri, A.	1972	Relation of Structural Lineaments and Mineral Occurrences in the Abitibi Area	GSC Paper 71-9	
Lee, H.A.	1968	An Ontario Kimberlite Occurrence Discovered by Application of the Glaciofocus Method to a Study of the Munro Esker	GSC Paper 68-7	3p.
Lorsong, J.	1975	Stratigraphy and Sedimentology of the Porcupine Group (Early Precambrian), Northeastern Ontario	Unpub. BSc Thesis U of Toronto	
Middleton, R.S.	1975	Gravity Control Network in the Timmins, Matheson and Cobalt Area, Cochrane and Timiskaming Districts, Ontario	ODM GR 127	
Whiteway, P.	1986	Harker-Holloway	Northern Miner Magazine v.1 no. 2	p.61-65

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Whiteway, P.	1986	Exploration '86	Northern Miner Magazine v.1 no. 2	p.29- 4

Ministry of
Northern Development
and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 403

(Map 1 of 2)

STOCK TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

(Map 1 of 2)

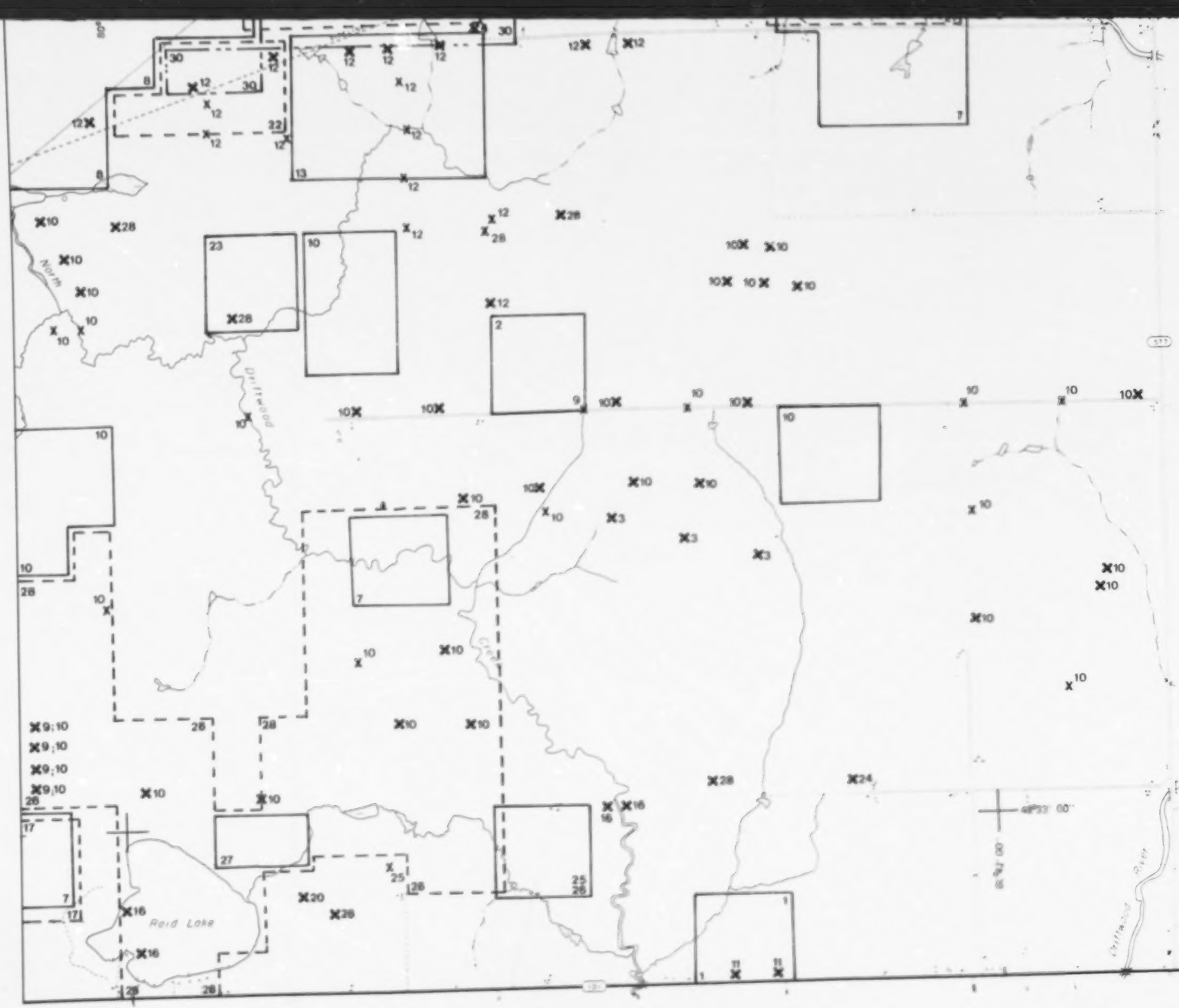
STOCK TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area exploration.
- File covers whole township or area

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

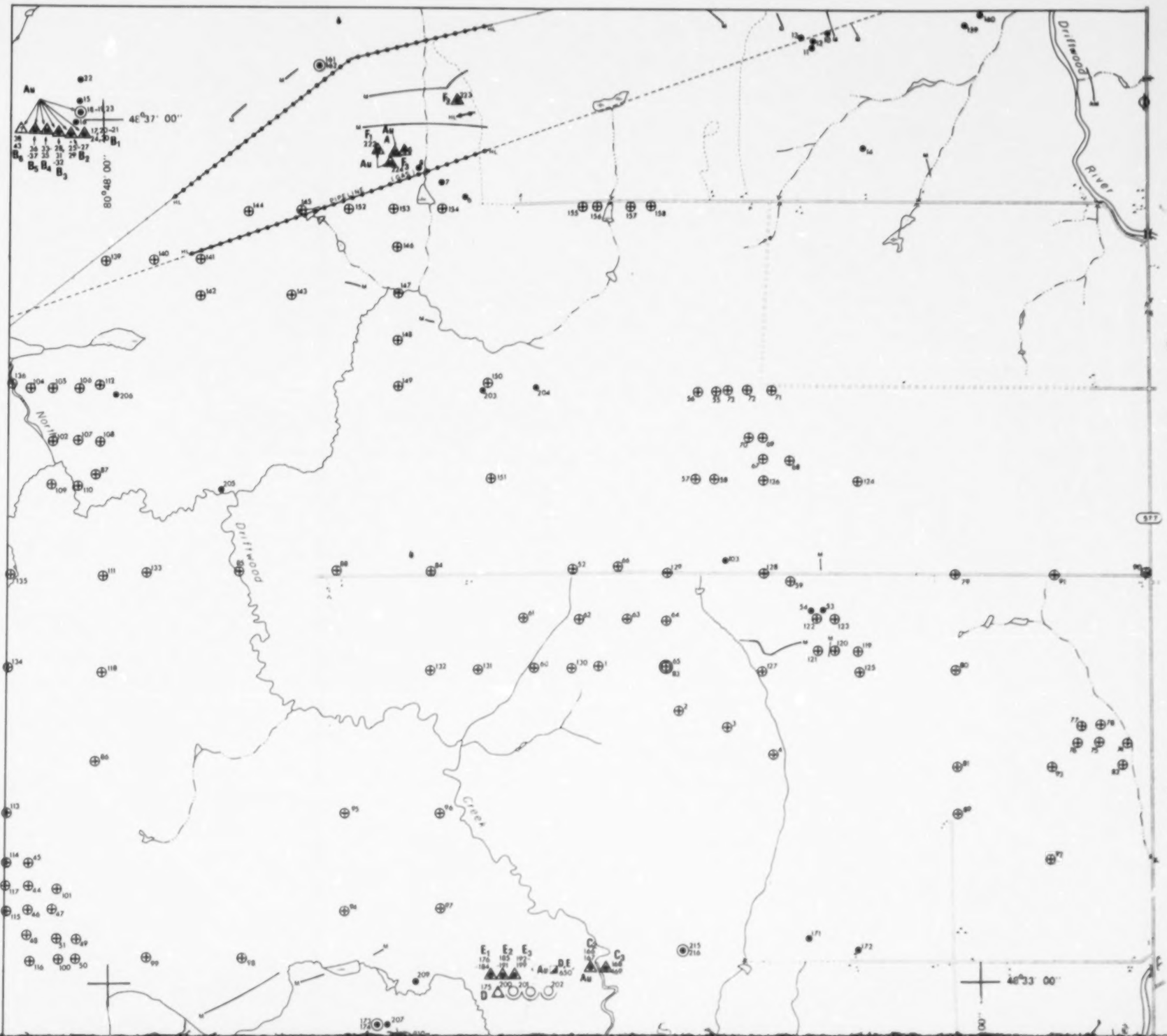
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit



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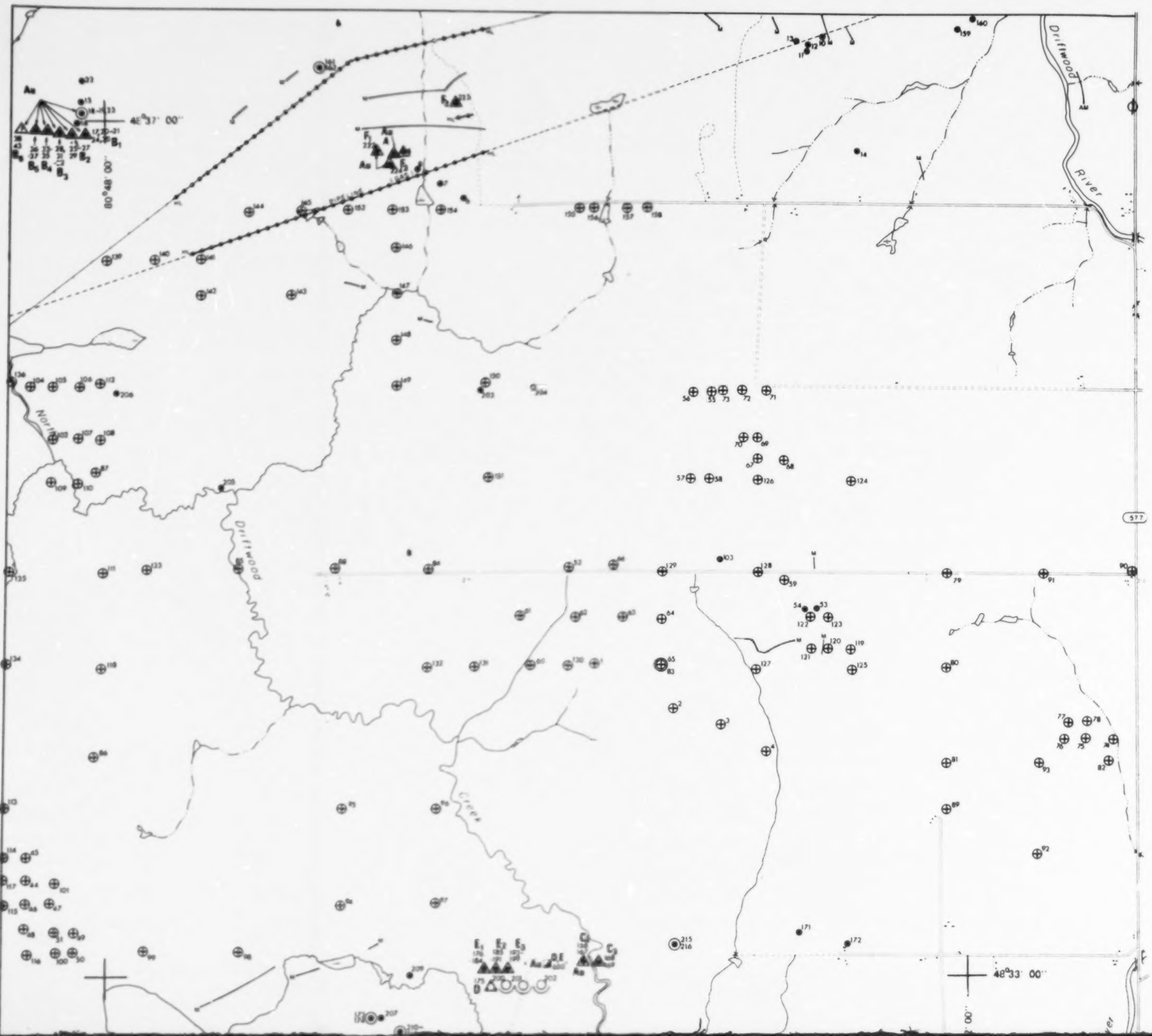


Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 403

(Map 2 of 2)

STOCK TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map,

Area of geochemical sampling, with reference number

Age dating material sampling site, with reference number

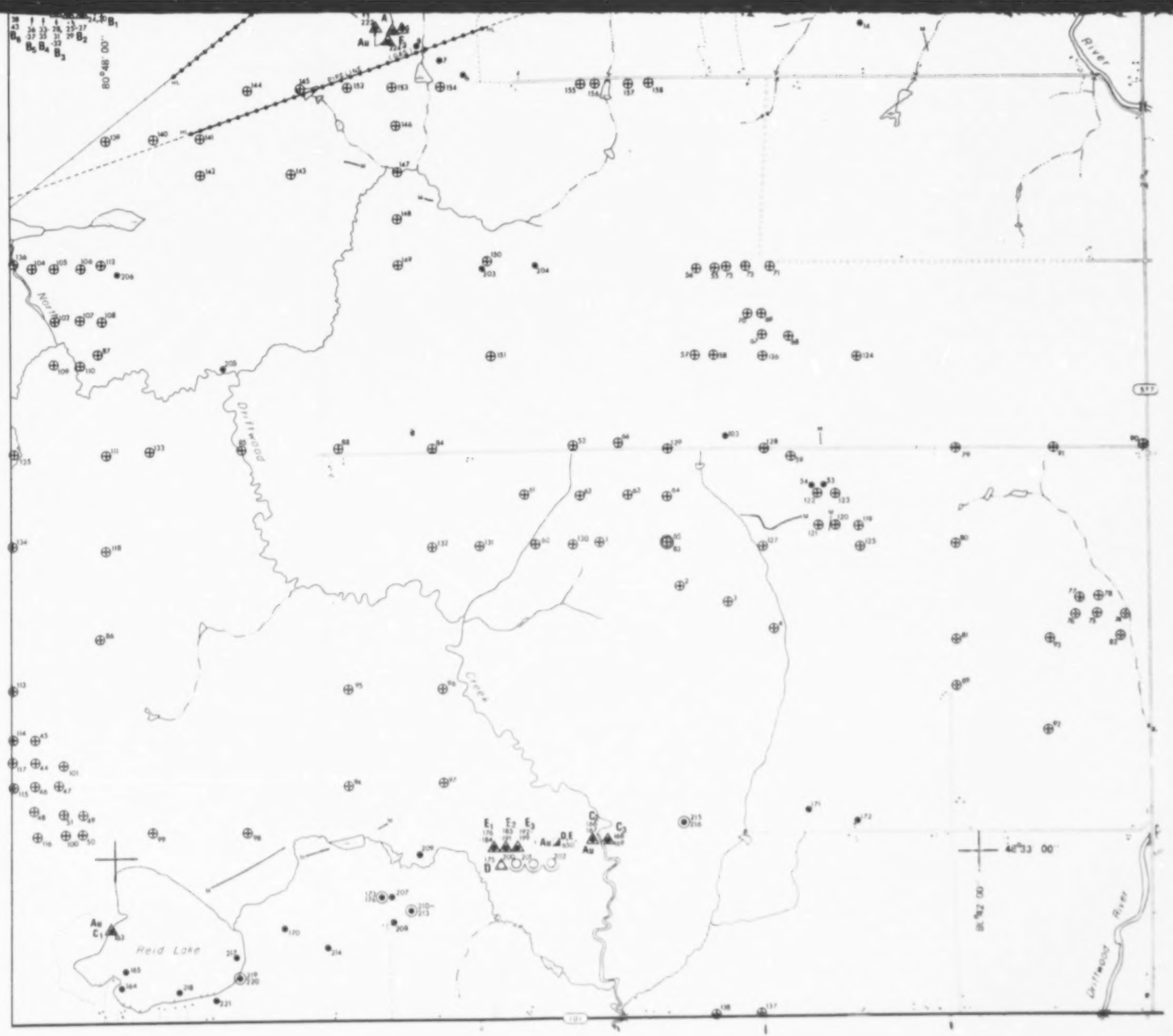
GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 403

(Map 2 of 2)

STOCK TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A — Mineral occurrence at surface, with reference letter
- Au A 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- cp A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number
- 2 — Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- 2 — Property with drillholes which have not been plotted on map, with reference number
- 2 — Reverse circulation drillhole; churn drilling; with reference number

80°48' 00"

48°33' 00"

81°42' 00"

Reid Lake

Driftwood River

Nordica River

Drill River

577